FORM PTO-1390 RFV. 5-93

US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

### TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEYS DOCKET NUMBER P99,1135

U.S.APPLICATION NO. (if known, see 37 CFR 1.5)

09/486134

INTERNATIONAL APPLICATION NO. PCT/DE98/02227 ~

INTERNATIONAL FILING DATE 03 August 1998 -

PRIORITY DATE CLAIMED 22 August 1997 ~

TITLE OF INVENTION

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#### APPARATUS HAVING A READJUSTMENT MECHANISM FOR READJUSTING AT LEAST ONE OPERATING PARAMETER

APPLICANT(S) FOR DO/EO/US

#### Roland Hettrich et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

- This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.
- 2. □ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.
- This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay, \_3. ⊠
- A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority ×
  - A copy of International Application as filed (35 U.S.C. 371(c)(2))
    - is transmitted herewith (required only if not transmitted by the International Bureau). a. ⊠
    - has been transmitted by the International Bureau.
    - is not required, as the application was filed in the United States Receiving Office (RO/US)
- A translation of the International Application into English (35 U.S.C. 371(c)(2) ×
- 7 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
  - are transmitted herewith (required only if not transmitted by the International Bureau). a. 🗆
  - b. □ have been transmitted by the International Bureau.
    - c. 🗆 have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ⊠ have not been made and will not be made.
- 8. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
- × An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
- 10 🗆 A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

#### Items 11. to 16. below concern other document(s) or information included:

- An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; (PTO 1449, Prior Art, Search Report) 11. ⊠
- 12. ⊠ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. (See Attached Envelope)
- 13. ⊠ A FIRST preliminary amendment.
  - A SECOND or SUBSEQUENT preliminary amendment.
- 14. 🗆 A substitute specification.
- 15. □ A change of power of attorney and/or address letter.
- 16. ⊠ Other items or information:
  - a. ☑ EXPRESS MAIL #EL470808682US dated 2-22-2000

430 Rec'd PCT/PTO 2 2 FEB 2000

17. 2 The following fees are submitted:  BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): Search Report has been prepared by the EPO or JPO					
Search Report has been prepared by the EPO or JPO					
No international preliminary examination fee paid to USPTO (37 C.F.R. 1.482) but international search fee paid to USPTO (37 C.F.R. 1.445(a)(2)					
international search fee paid to USPTO (37 C.F.R. 1.445(a)(2)					
search fee (37 C.F.R. 1.445(a)(2) paid to USPTO					
ENTER APPROPRIATE BASIC FEE AMOUNT = \$840.00  Surcharge of \$130.00 for furnishing the cath or declaration later than □ 20 □ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).  Claims					
Surcharge of \$130.00 for furnishing the oath or declaration later than □ 20 □ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).  Claims  Number Filed  Number Extra  Rate  Extra  Rate  Fetal Claims  12 -20 =					
from the earliest claimed priority date (37 C.F.R. 1.492(e)).  Claims Number Filed Number Extra  Total Claims 12 - 20 =					
Extra    Extra   Extra   Extra					
Independent Claims  2 - 3 = X \$ 78.00 \$    Second					
Militiple Dependent Claims  *260.00 + \$  **  **  **  **  **  **  **  **  **					
TOTAL OF ABOVE CALCULATIONS = \$840.00  Reduction by ½ for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)  SUBTOTAL = \$840.00  Robersing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$840.00  Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +  TOTAL FEES ENCLOSED = \$840.00  Amount to be \$					
Reduction by ½ for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)  SUBTOTAL = \$840.00  Brocessing fee of \$130.00 for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  TOTAL NATIONAL FEE = \$840.00  Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +  TOTAL FEES ENCLOSED = \$840.00  Amount to be \$					
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SOBTOTAL = \$840.00    Record   \$130.00 for furnishing the English translation later than   20   30 months   \$					
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Amount to be \$					
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charged \$					
a. ⊠ A check in the amount of \$ <u>840.00</u> to cover the above fees is enclosed.					
b.   Please charge my Deposit Account No in the amount of \$ to cover the above fees.  A duplicate copy of this sheet is enclosed.					
c.   The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>08-2290</u> . A duplicate copy of this sheet is enclosed.					
NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
SIGNATURE Hill & Simpson					
A Professional Corporation  85th Floor Sears Tower  Chicago, Illinois 60606					

BOX PCT

IN THE UNITED STATES DESIGNATED/ELECTED OFFICE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE UNDER THE PATENT COOPERATION TREATY-CHAPTER II

PRELIMINARY AMENDMENT

APPLICANTS:

Roland Hettrich et al.

**DOCKET NO: P99,1135** 

SERIAL NO:

**GROUP ART UNIT:** 

**EXAMINER:** 

INTERNATIONAL APPLICATION NO: PCT/DE98/02227

INTERNATIONAL FILING DATE: 03 August 1998

INVENTION:

APPARATUS HAVING A READJUSTMENT

MECHANISM FOR READJUSTING AT LEAST ONE

**OPERATING PARAMETER** 

Assistant Commissioner for Patents, Washington, D.C. 20231

Sir:

Please amend the above-identified International Application before entry into the National stage before the U.S. Patent and Trademark Office under 35 U.S.C. §371 as follows:

## In The Specification:

On page 1, cancel lines 1-3 and substitute therefor:

#### -- SPECIFICATION

#### TITLE

# APPARATUS HAVING A READJUSTMENT MECHANISM FOR READJUSTING AT LEAST ONE OPERATING PARAMETER **BACKGROUND OF THE INVENTION**

#### Field of the Invention

The present invention relates to an apparatus having a readjustment mechanism for readjusting at least one operating parameter of the apparatus wherein an average value interval which is typically stored in a memory of

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the apparatus may be overwritten with a momentary value of the operating parameter so as to define a position of the value interval.

#### **Description of the Prior Art.--**

On page 1, line 6, cancel "means" and substitute therefor --device--.

On amended page 1, line 17 insert -- also-- before "must".

On page 1, line 12, insert a --, -- after "is".

On page 1, line 12, insert a --, -- after "thereby".

On page 1, line 13, cancel "from" and substitute therefor --, due to--.

On page 1, line 13, cancel "mistakenly that" and substitute therefor --mistake, which--.

On page 1, line 14, cancel "means" and substitute therefor --device--

On page 1, line 15, insert a --,-- after "is".

On page 1, line 15, insert --speaking,-- after "practically".

On page 1, line 17, cancel "ensue" and substitute therefor --occur--.

On page 1, line 18, cancel "practically" and substitute therefor -- subsequently--.

On page 1, line 19, cancel "in such a case".

On page 1, line 20, cancel "There is a rather" and substitute therefor --A--.

On page 1, line 20, insert --exists-- after "situation".

On page 1, line 22, insert a --,-- after "condition".

On page 1, line 24, insert a --,-- after "readjustment".

On page 1, line 26, insert --present-- before "invention".

On page 1, line 26, insert --has been developed which-- after "invention".

On page 1, lines 27-28, cancel "comprising the features of claim 1".

On page 1, before line 29, insert the following centered heading:

# --SUMMARY OF THE INVENTION--.

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On page 1, line 31, insert --present-- before "invention".

On page 2, line 2, cancel "therefor".

On page 2, line 4, cancel "particularly".

On page 2, line 5, cancel "means" and substitute therefor --device--.

On page 2, line 5, cancel the "," after "example".

On page 2, line 7, cancel "means" and substitute therefor --device--.

On page 2, cancel lines 11-12, and substitute the following paragraph therefor:

--Additional features and advantages of the present invention are described in, and will be apparent from, the Detailed Description of the Preferred Embodiments.--.

On page 2, before line 13, insert the following centered heading:

### -- DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS ---

On page 2, line 13, insert -- present -- before "invention".

On page 2, line 13, cancel "proceeds on the basis of" and substitute therefor --is directed to--.

On page 2, line 17, insert --present—before "invention".

On page 2, line 23, insert a --,-- after "is".

On page 2, line 23, insert a --,-- after "thus".

On page 2, line 26, cancel "Expediently" and substitute therefor -- Preferably--.

On page 2, line 27, insert a --,-- after "width".

On page 2, line 27, cancel "can".

On page 2, line 27, insert --, can-- after "thereby".

On page 2, line 28, cancel "means".

On page 2, line 29, insert --a-- before "parameter".

On page 2, line 29, cancel "a".

On page 3, line 1, insert --present-- before "invention".

On page 3, line 2, cancel "means".

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On page 3, line 6, cancel the ",".
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On page 3, line 14, cancel "It" and substitute therefor -- Thus, it--.

On page 3, line 14, cancel "thus".

On page 3, line 16, cancel "means" and substitute therefor --device--

On page 3, line 19, insert --present-- before "invention".

On page 3, line 20, insert --the-- before "new".

On page 3, line 20, cancel the "," and substitute therefor a --;--.

On page 3, line 21, insert a --,-- after "i.e.".

On page 3, line 21, insert --the-- before "new".

On page 3, line 22, insert --thus-- before "can".

On page 3, line 22, cancel "thus".

On page 3, line 22, cancel "realized" and substitute therefor --had--.

On page 3, line 28, insert --present-- before "invention".

On page 4, line 1, insert --present-- before "invention".

On page 4, line 1, cancel "thus".

On page 4, lines 1-2, cancel "means for" and substitute therefor --a--.

On page 4, line 2, cancel "of" and substitute therefor --mechanism for--.

On page 4, line 2, cancel "whereby" and substitute therefor -wherein--.

On page 4, line 3, cancel "means".

On page 4, line 4, cancel "whereby" and substitute therefor --such that--.

On page 4, line 6, cancel ", as" and substitute therefor --. As--.

On page 4, line 6, cancel "whereof".

On page 4, line 11, cancel ", so that" and substitute therefor --. As such--.

On page 3, line 14, cancel "b" and substitute therefor --by--.

On page 4, line 13, cancel "means" and substitute therefor --device--

On page 4, line 15, insert --present-- before "invention".

On page 4, line 16, cancel "means" and substitute therefor --device--

On page 4, line 18, cancel "means" and substitute therefor --device--

On page 4, line 19, insert --present-- before "invention".

On page 4, line 19, cancel "especially" and substitute therefor -- particularly--.

On page 4, line 28, cancel "realization of" and substitute therefor -- effecting--.

On page 4, line 28, insert --present-- before "invention".

On page 4, line 30, cancel "whereby" and substitute therefor -- wherein--.

On page 4, line 31, insert --present-- before "invention".

On page 5, line 1, insert --present-- before "invention".

On page 5, after line 4 insert the following paragraph:

--Although the present invention has been described with reference to specific embodiments, those of skill in the art will recognize that changes may be made thereto without departing from the spirit and scope of the invention as set forth in the hereafter appended claims.--

On page 8, (last page) cancel lines 1-2 and substitute the following centered heading therefor:

#### -- ABSTRACT OF THE DISCLOSURE -- .

On page 8, line 4, cancel "In" and substitute therefor --An apparatus having a readjustment mechanism for readjusting at least one operating parameter wherein, in--.

On page 8, line 7, cancel "thereof".

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On page 8, line 11, cancel "means" and substitute therefor --device--

On page 8, line 12, cancel "in practice".

On page 8, line 13, cancel "means" and substitute therefor --device--

#### In the Claims:

On page 6, cancel line 1 and substitute the following left-hand justified heading therefor:

#### --We Claim As Our Invention--.

Please cancel claims 1-6, without prejudice, and substitute the following claims therefor:

7. An apparatus having a readjustment mechanism for readjusting at least one operating parameter of the apparatus, the apparatus comprising:

a memory;

means for storing an average of a value interval in the memory; and means for overwriting the stored value with a momentary value of the operating parameter wherein, following a renewed readout of the stored average, the new momentary value defines a position of the value interval.

- 8. An apparatus having a readjustment mechanism for readjusting at least one operating parameter as claimed in claim 7, wherein an average value set at the factory is additionally stored and can overwrite the momentary value of the operating parameter such that, following a renewed readout of the stored average, the average value set at the factory defines the position of the value interval.
- 9. An apparatus having a readjustment mechanism for readjusting at least one operating parameter as claimed in claim 7, wherein

the operating parameter to be readjusted is a supply voltage of a display device of the apparatus.

10. An apparatus having a readjustment mechanism for readjusting at least one operating parameter as claimed in claim 9, further comprising:

a test image to be displayed on the display device during the readjustment, wherein the influence of the readjustment of the supply voltage of the display device can be observed by a user during the readjustment.

11. An apparatus having a readjustment mechanism for readjusting at least one operating parameter as claimed in claim 10, further comprising:

a chromatic display, wherein the test image shows areas of different colors during the readjustment, wherein the chromatic values are modified by the readjustment.

- 12. An apparatus having a readjustment mechanism for readjusting at least one operating parameter as claimed in claim 7, wherein, when the apparatus is turned off, the stored averages are overwritten with momentary values of corresponding operating parameters such that the values are read out as new averages when the apparatus is turned back on.
- 13. A method for readjusting at least one operating parameter of an apparatus, the method comprising the steps of:

storing an average of a value interval in a memory of the apparatus; overwriting the stored value with a momentary value of the operating parameter; and

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defining a position of the value interval by the new momentary value following a renewed readout of the stored average.

14. A method for readjusting at least one operating parameter of an apparatus as claimed in claim 13, further comprising the steps of:

storing an average set at the factory in the memory;

overwriting the stored average with the average set at the factory; and

defining the position of the value interval by the average set at the factory following a renewed readout of the stored average.

- 15. A method for readjusting at least one operating parameter of an apparatus as claimed in claim 13, wherein a supply voltage of a display device of the apparatus is the operating parameter to be readjusted.
- 16. A method for readjusting at least one operating parameter of an apparatus as claimed in claim 15, further comprising the step of:

displaying a test image on the display device during the readjustment wherein the influence of the readjustment of the supply voltage of the display device can be observed by a user during the readjustment.

- 17. A method for readjusting at least one operating parameter of an apparatus as claimed in claim 16, wherein the test image shows areas of different colors during the readjustment, chromatic values thereof being modified by the readjustment.
- 18. A method for readjusting at least one operating parameter of an apparatus as claimed in claim 13, further comprising the step of:

overwriting stored averages with momentary values of corresponding operating parameters when the apparatus is turned off, wherein the values are readout as new averages when the apparatus is turned back on.

#### **REMARKS**

The present amendment makes editorial changes and corrects typographical errors in the specification in order to conform the specification to the requirements of the United States Patent practice. No new matter is added thereby. Original claims 1-6 have been canceled in favor of new claims 7-18. However, claims 7-18 have been presented solely because the revisions by bracketing and underlining which would have been necessary in claims 1-6 in order to conform those claims to the requirements of United States Patent practice would have been too extensive, and thus would have been too burdensome. The cancellation of claims 1-6 does not constitute an intent on the part of the Applicant to surrender any of the subject matter of claims 1-6.

Early consideration on the merits is respectfully requested.

Respectfully submitted,

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Attorneys for Applicants

**SPECIFICATION** 

# APPARATUS HAVING MEANS FOR READJUSTING AT LEAST ONE **OPERATING PARAMETER**

A multitude of currently obtainable apparatus are equipped with display devices with whose assistance settings can be made at the apparatus and modified upon employment of an input means such as, for example, a keyboard. Examples of such apparatus are communication terminal equipment, particularly mobile radio telephone communication terminal equipment. For physical reasons, these display devices are subject to aging processes that make a readjustment of the supply voltage of such display devices necessary, particularly given liquid crystal displays.

There is thereby the possibility that the user undertakes a readjustment from ignorance or mistakenly that leads to the unuseability of the display means. The problem then arises that a further implementation or modification of settings at the apparatus is practically no longer possible since the entire user prompting and answer back of such modifications or settings would have to ensue over what is now an unuseable display. As a result, the user is practically dependent on the assistance of a service technician of his apparatus manufacturer in such a case.

There is a rather similar situation given completely different apparatus that have operating parameters available to them that must be occasionally readjusted. Here, too, there is the risk that an apparatus condition wherein specific risks can arise or from which the user can no longer escape by himself by readjustment is set as a result of improper setting and readjustment of operating parameters.

In order to avoid these problems, the invention provides an apparatus with means for readjustment of at least one operating parameter comprising the features of claim 1.

In order to prevent a readjustment of operating parameters of an apparatus into inexpedient ranges or to at least make this more difficult, the invention provides that the readjustment be limited by a value interval whose

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average adapts to the momentary value of the operating parameter. As a result thereof, it is particularly the readjustment of operating parameters that are subject to modifications due to aging or slow environmental influences that is simplified. This is advantageous particularly when the readjustment relates to an operating parameter of a display means, for example, the supply voltage of a chromatic LCD display, because what is thereby prevented in practice is that a user makes the display means unuseable due to improper readjustment.

The inventive solution develops corresponding and similar advantages in other apparatus whose operating parameters must be readjusted.

The invention is described below on the basis of preferred exemplary embodiments.

The invention proceeds on the basis of an apparatus that has means available to it for readjusting at least one operating parameter of this apparatus. These can be analog controllers or input keys with which the values of a parameter can be modified dependent on the duration of or the number of times the key is pressed. The invention then provides that the readjustment of an operating parameter or of a plurality of operating parameters is limited by a value interval that is defined by an interval width and by an average.

The possible parameter values available for the readjustment thus lie within a value interval that extends within an interval width around an average. The smallest parameter value available for readjustment is thus the average diminished by half the interval width, and the greatest operating parameter value available for readjustment is the average increased by half the interval width. Expediently, the interval width of a value interval and the average are stored in the apparatus. The interval width can thereby be stored in a memory means specifically provided for this purpose or can be stored as parameter of a software.

In order to then assure that the position of the value interval can adapt to the modified requirements given aging of the apparatus or of a component part of the apparatus which makes a readjustment of operating parameters

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necessary, the invention provides that the average of a value interval or the averages of a plurality of value intervals be stored such in a memory means of the apparatus that it is possible to overwrite the stored averages or the stored average with momentary parameter values.

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Given slow changes of the conditions, this measure makes it possible to undertake a corresponding adaption of the position of the value interval, so that, despite the modification due to aging or due to environmental influences, it is ultimately always possible to set the required parameter values. At the same time, however, what is prevented is that parameter values that are significantly too high or significantly too low are unintentionally set.

Put in other words, one could speak of what is referred to as a sliding window (value interval) within which it is possible to adjust operating parameter values with continuous variation or b a few steps. It is thus not possible to depart from a meaningful or allowed range of the parameter values. Given the apparatus with a display means, in particular, it is thereby assured that an adjustment of the supply voltage of the display which makes reading of the display impossible cannot occur.

It is then provided in a preferred embodiment of the invention that the momentary parameter value is utilized as new average of the value interval, i.e. as new center of the value window. An extremely great range of adjustment (balancing range) can thus be realized over the useful life without rendering the display unuseable due to improper operation.

This is particularly important given color LCD displays since, in this case, the aging process dependent on environmental conditions such as, for example, the temperature can lead to a more or less pronounced color change. This can ultimately lead to unreadability of the display. As a result of the invention, a corresponding voltage balancing is implemented such that the color change can be always in turn reversed without creating the risk that the display becomes temporarily or permanently unreadable due to a faulty operation or misadjustment of the readjustment.

In its basic form, the invention thus provides an apparatus with means for readjustment of at least one operating parameter, whereby a value interval whose average is stored in a memory means of the apparatus is available for the readjustment of an operating parameter, whereby the stored value can be overwritten with the momentary value of the operating parameter, as a result whereof, following a renewed readout of the stored average, the new value thereof defines the position of the value interval.

According to a preferred embodiment of the present invention, an average set at the factory is additionally stored invariably in the apparatus, and the momentarily stored average can be overwritten with the average set at the factory, so that, following a renewed readout of the stored average, the average set at the factory defines the position of the value interval.

Particularly given apparatus having a display means whose operating parameters must be readjusted, a further preferred embodiment of the invention is especially advantageous in accord wherewith the influence of the readjustment of the supply voltage of the display means can be observed by the user during the readjustment because a test image is displayed on the display means during the readjustment.

In this context, a specific embodiment of the invention is especially advantageous when the display is chromatic, in accord wherewith the test image shows areas or objects having different colors during the readjustment, the chromatic values thereof being modified by the readjustment.

An especially advantageous operation of the apparatus derives when stored averages are overwritten with momentary values of corresponding operating parameters when it is shut off, so that the values thereof are read out as new averages when the apparatus is turned on again.

The only thing to be provided for realization of the invention is a memory possibility for the averages of value intervals in an apparatus, whereby the possibility is to be provided that, dependent on the embodiment of the invention, these stored values are overwritten with the momentary parameter values dependent on specific use or operating actions or by

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turning the apparatus off. Dependent on the embodiment of the invention, it is then provided that the new averages potentially stored at the moment in the apparatus are read out and employed as new averages of a value interval when the apparatus is turned on again.

#### **PATENT CLAIMS**

1. Apparatus having means for readjusting at least one operating parameter of the apparatus, characterized in that, for readjusting an operating parameter, a value interval is available whose average (MW) is stored in the memory means (SE) of the apparatus, whereby the stored value can be overwritten with the momentary value of the operating parameter (BPW), as a result whereof, following a renewed readout of the stored average, the new value thereof defines the position of the value interval.

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2. Apparatus according to claim 1, whereby an average (WEM) set at the factory is additionally invariably stored, and whereby the momentarily stored average (MW) can be overwritten with the average (WEM) set at the factory, so that, following a renewed readout of the stored average, the average set at the factory defines the position of the value interval.

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3. Apparatus according to one of the preceding claims, whereby the supply voltage (VS) of a display means (AE) of the apparatus is such an operating parameter to be readjusted.

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4. Apparatus according to claim 3, whereby the influence of the readjustment of the supply voltage of the display means can be observed by the user during the readjustment because a test image (TB) is displayed on the display means during the readjustment.

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5. Apparatus according to claim 4 comprising a chromatic display, whereby the test image shows areas or objects of different colors during the readjustment, the chromatic values thereof being modified by the readjustment.

6. Apparatus according to one of the preceding claims, whereby, when said apparatus is turned off, stored averages are overwritten with momentary values of corresponding operating parameters, so that the values thereof are read out as new averages when the apparatus is turned back on.

#### **ABSTRACT**

### Apparatus Having Means for Readjusting at Least One Operating Parameter

In order to prevent a readjustment of operating parameters of an apparatus into inexpedient ranges or to at least make this more difficult, the readjustment is limited by a value interval whose average adapts to the momentary value of the operating parameter. As a result thereof, it is particularly the readjustment of operating parameters that are subject to modifications due to aging or slow environmental influences that is simplified. This is particularly advantageous when the readjustment relates to an operating parameter of a display means, for example, the supply voltage of a color LCD display, because what is thereby prevented in practice is that a user makes the display means unuseable due to improper readjustment.

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# **Declaration and Power of Attorney For Patent Application** Erklärung Für Patentanmeldungen Mit Vollmacht German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:	As a below named inventor, I hereby declare that:
dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen,	My residence, post office address and citizenship are as stated below next to my name,
dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:	I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled
<u>Gerät mit Mitteln zur Nachregelung</u>	
mindestens eines Betriebsparameters	
deren Beschreibung	
(zutreffendes ankreuzen)	the specification of which
Nier beigefügt ist.	(abaak ana)
am als	(check one) ☐ is attached hereto.
PCT internationale Anmeldung	
PCT Anmeldungsnummer	☐ was filed on as PCT international application
eingereicht wurde und am abgeändert wurde (falls tatsächlich abgeändert).	PCT Application No
	and was amended on(if applicable)
Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung einschliesslich der Ansprüche durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeän- dert wurde.	I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.
Ich erkenne meine Pflicht zur Offenbarung irgendwel- cher Informationen, die für die Prüfung der vorliegen- den Anmeldung in Einklang mit Absatz 37, Bundes- gesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.	I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).
Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde nachstehend gekennzeichnet, die ein Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.	I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:
Page 1 o	of 3

		German Langua	age Declaration	7	F
Prior foreign appp Priorität beanspru				<u>Priorit</u>	y Claimed
197 36 677.5 (Number) (Nummer)	Germany (Country) (Land)	22. August (Day Month Ye (Tag Monat Ja	ear Filed)	Yes Ja	No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Ye (Tag Monat Ja		Yes Ja	No Nein
(Number) (Nummer)	(Country) (Land)	(Day Month Ye (Tag Monat Ja		Yes Ja	No Nein
prozessordnung d 120, den Vorzug dungen und fal Anspruch dieser amerikanischen F Paragraphen des der Vereinigten St erkenne ich gemä Paragraph 1.56(a) Informationen an, der früheren Ann	ler Vereinigten aller unten a ls der Gegen Anmeldung nich atentanmeldung Absatzes 35 der aaten, Paragrap ass Absatz 37, meine Pflicht z die zwischen de	Absatz 35 der Zivil- Staaten, Paragraph sufgeführten Anmel- nstand aus jedem ht in einer früheren g laut dem ersten r Zivilprozeßordnung ph 122 offenbart ist, Bundesgesetzbuch, zur Offenbarung von dem Anmeldedatum em nationalen oder tum dieser Anmel-	I hereby claim the I States Code. §120 of listed below and, insof of the claims of this apprior United States apply the first paragraph §122, I acknowledge information as define Regulations, §1.56(a) filing date of the prior PCT international filing	any United Sta ar as the subjection is no plication in the of Title 35, Ur the duty to d in Title 37, which occu application a	ates application(s) ect matter of each of disclosed in the manner provided nited States Code, disclose material Code of Federal red between the nd the national or
(Application Serial No.) (Anmeldeseriennummer	)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgegeben)	(p	Status) natented, pending, pandoned)
(Application Serial No.) (Anmeldeseriennummer	)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgeben)	(p	Status) vatented, pending, vandoned)
den Erklärung gebesten Wissen un entsprechen, und erung in Kenntnis de vorsätzlich falsche Absatz 18 der Zi Staaten von Amer Gefängnis bestraft wissentlich und von	emachten Angand Gewissen de dass ich diese eessen abgebe, de Angaben gemäivilprozessordnurika mit Geldstrawerden koennelprsätzlich falschenden Patentann	mir in der vorliegen- aben nach meinem der vollen Wahrheit eidesstattliche Erklä- dass wissentlich und dass Paragraph 1001, ang der Vereinigten afe belegt und/oder n, und dass derartig e Angaben die Gül- meldung oder eines n können.	I hereby declare that my own knowledge at made on information true, and further that with the knowledge the like so made imprisonment, or both, of the United States C statements may jee application or any pate	re true and the and belief are these statement willful false are punisha, under Section code and that pardize the	at all statements be believed to be nents were made a statements and ble by fine or n 1001 of Title 18 such willful false validity of the

#### **German Language Declaration**

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

And I hereby appoint Messrs, John D. Simpson (Registration No. 19,842) Lewis T. Steadman (17,074), William C. Stueber (16,453), P. Phillips Connor (19,259), Dennis A. Gross (24,410), Marvin Moody (16,549), Steven H. Noll (28,982), Brett A. Valiquet (27,841), Thomas I. Ross (29,275), Kevin W. Guynn (29,927), Edward A. Lehmann (22,312), James D. Hobart (24,149), Robert M. Barrett (30,142), James Van Santen (16,584), J. Arthur Gross (13,615), Richard J. Schwarz (13,472) and Melvin A. Robinson (31,870), David R. Metzger (32,919), John R. Garrett (27,888), all members of the firm of Hill, Steadman & Simpson, A Professional Corporation.

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(Supply similar information and signature for third and subsequent joint inventors).

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TVO IN OIL		residence	
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Voller Name des fünften Miterfinders (falls zutreffend):		Full name of fifth joint inventor, if any:	
	atum		Date
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Unterschrift des Erfinders Da	atum	Inventor's signature	Date
	atum		Date
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Unterschrift des Erfinders Da	atum	Inventor's signature	Date
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Unterschrift des Erfinders Da Wohnsitz Staatsangehörigkeit	atum	Inventor's signature  Residence  Citizenship	Date
Unterschrift des Erfinders Da Wohnsitz Staatsangehörigkeit	atum	Inventor's signature  Residence  Citizenship	Date
Unterschrift des Erfinders Da Wohnsitz Staatsangehörigkeit	atum	Inventor's signature  Residence  Citizenship	Date
Unterschrift des Erfinders  Di Wohnsitz  Staatsangehörigkeit  Postanschrift	atum	Inventor's signature  Residence  Citizenship  Post Office Address	Date
Unterschrift des Erfinders Da Wohnsitz Staatsangehörigkeit	atum	Inventor's signature  Residence  Citizenship	Date
Unterschrift des Erfinders  Wohnsitz  Staatsangehörigkeit  Postanschrift  Voller Name des sechsten Miterfinders (falls zutreffend):		Inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth joint inventor, if any:	
Unterschrift des Erfinders  Wohnsitz  Staatsangehörigkeit  Postanschrift  Voller Name des sechsten Miterfinders (falls zutreffend):	atum	Inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth joint inventor, if any:	Date Date
Unterschrift des Erfinders  Wohnsitz  Staatsangehörigkeit  Postanschrift  Voller Name des sechsten Miterfinders (falls zutreffend):		Inventor's signature  Residence  Citizenship  Post Office Address  Full name of sixth joint inventor, if any:	
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(Supply similar information and signature for third and subsequent joint inventors).